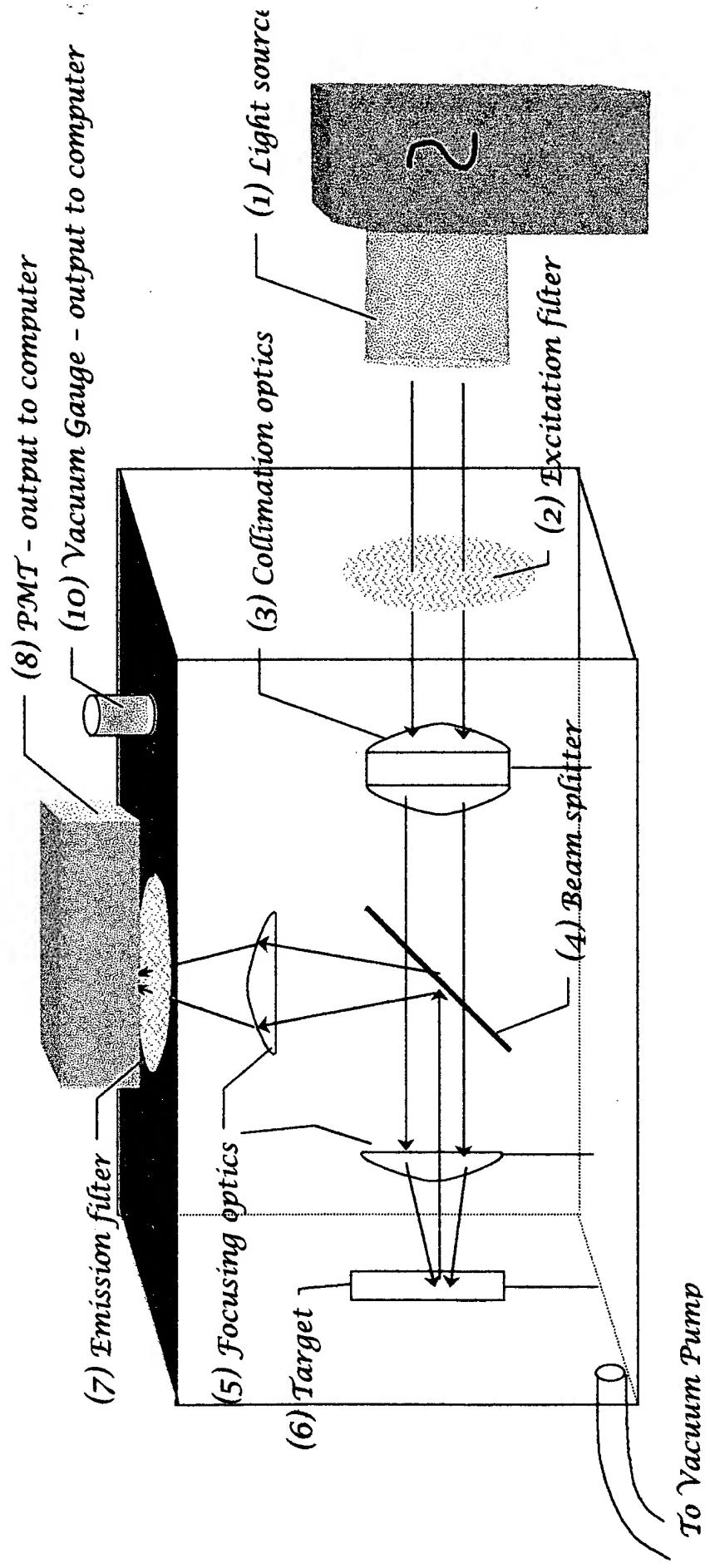


T D S E 9 0 " 5 0 3 3 3 3 6 0

Figures

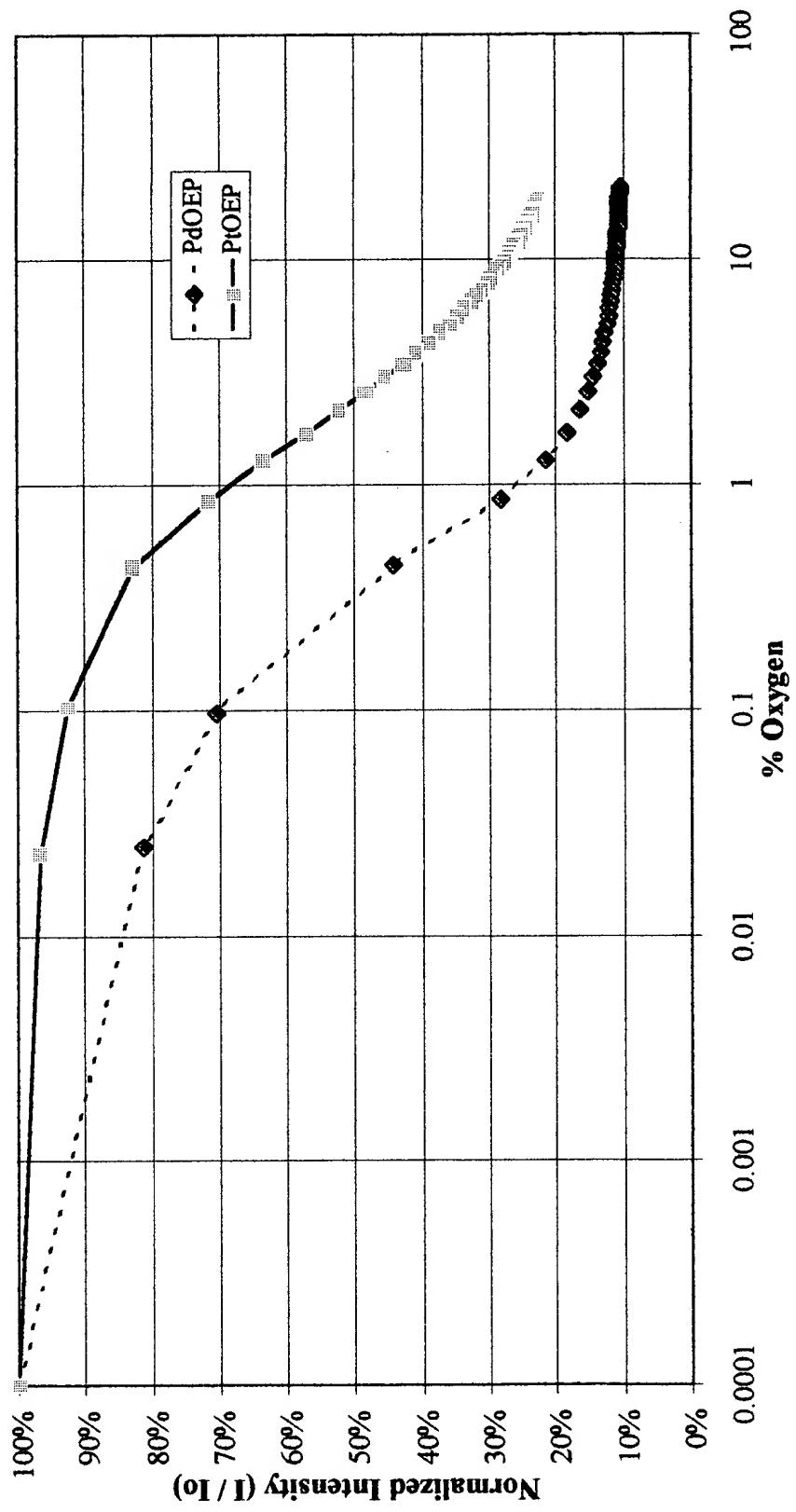
Figure 1a. Intensity Instrumentation for Stern-Volmer Characterizations – optical and vacuum measurement system



T05230 "501833650

Figure 1b. Comparison of Stern-Volmer Response Characteristics for PtTPP and PdTTPP in ethylene-octene copolymer

Comparison of PdTTPP and PtTPP in LDPE Film



"TOSI230" 5088888610

Figure 2a. Optical instrumentation used for lifetime measurements

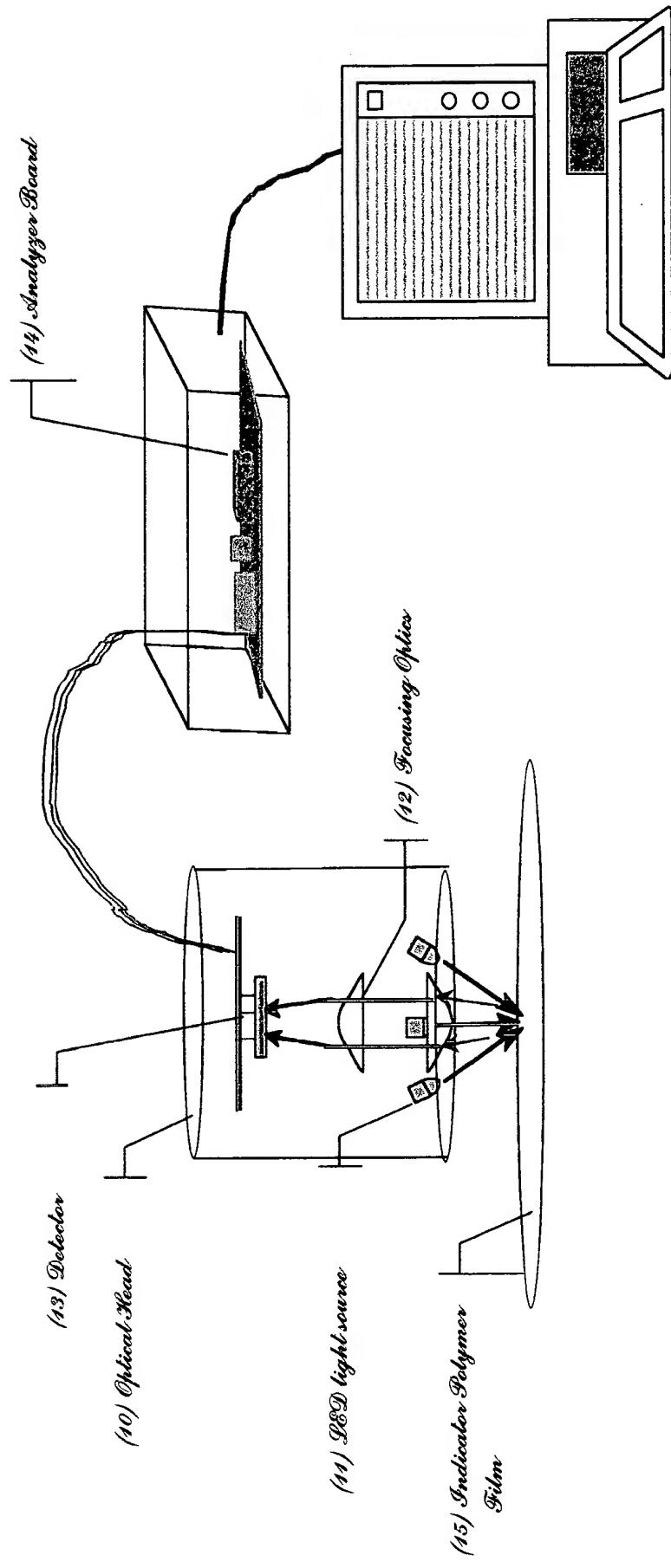


Figure 2b. Ratio Response of PdTPP Dye in LDPE as a Function of Oxygen Concentration.

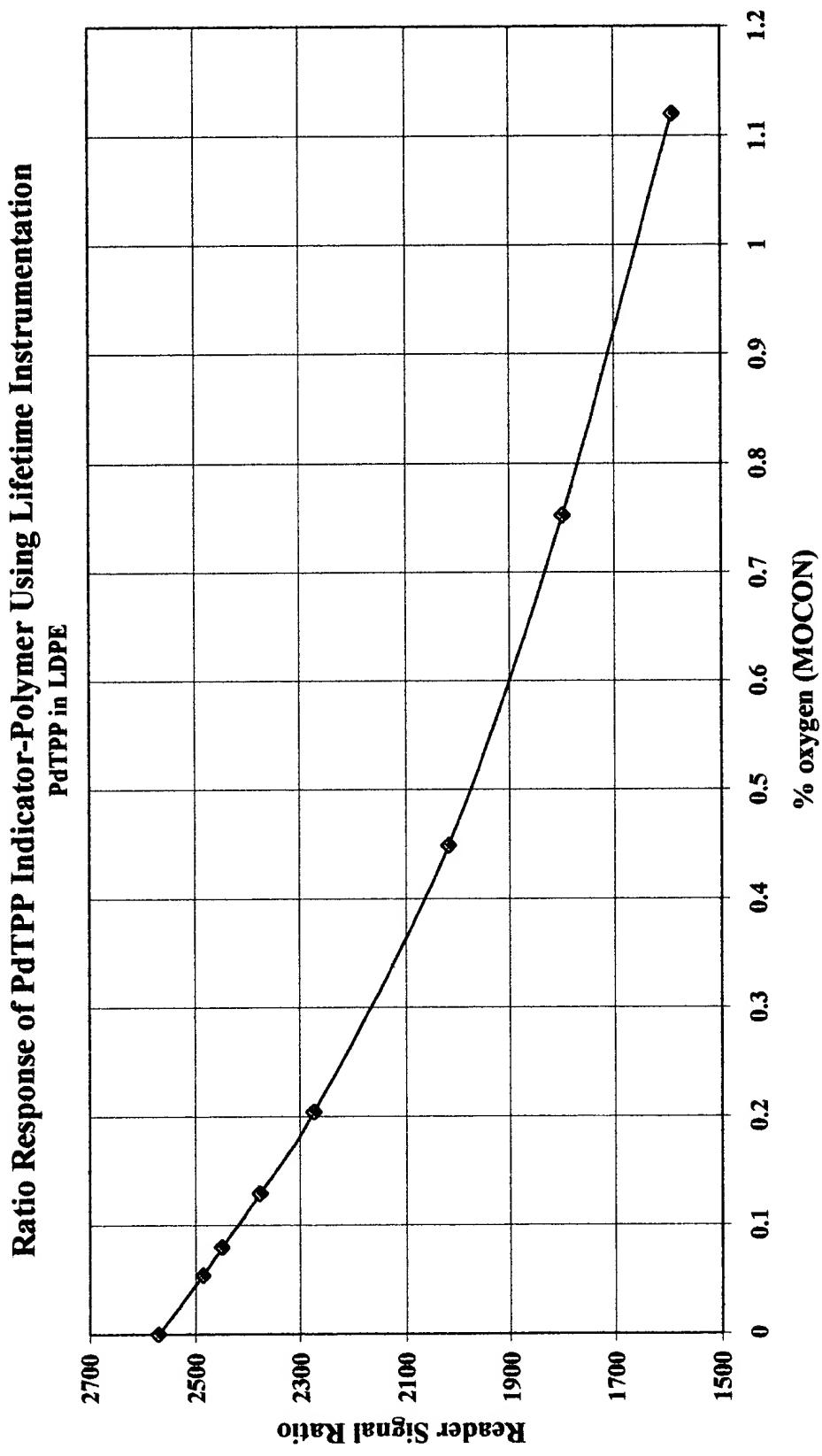
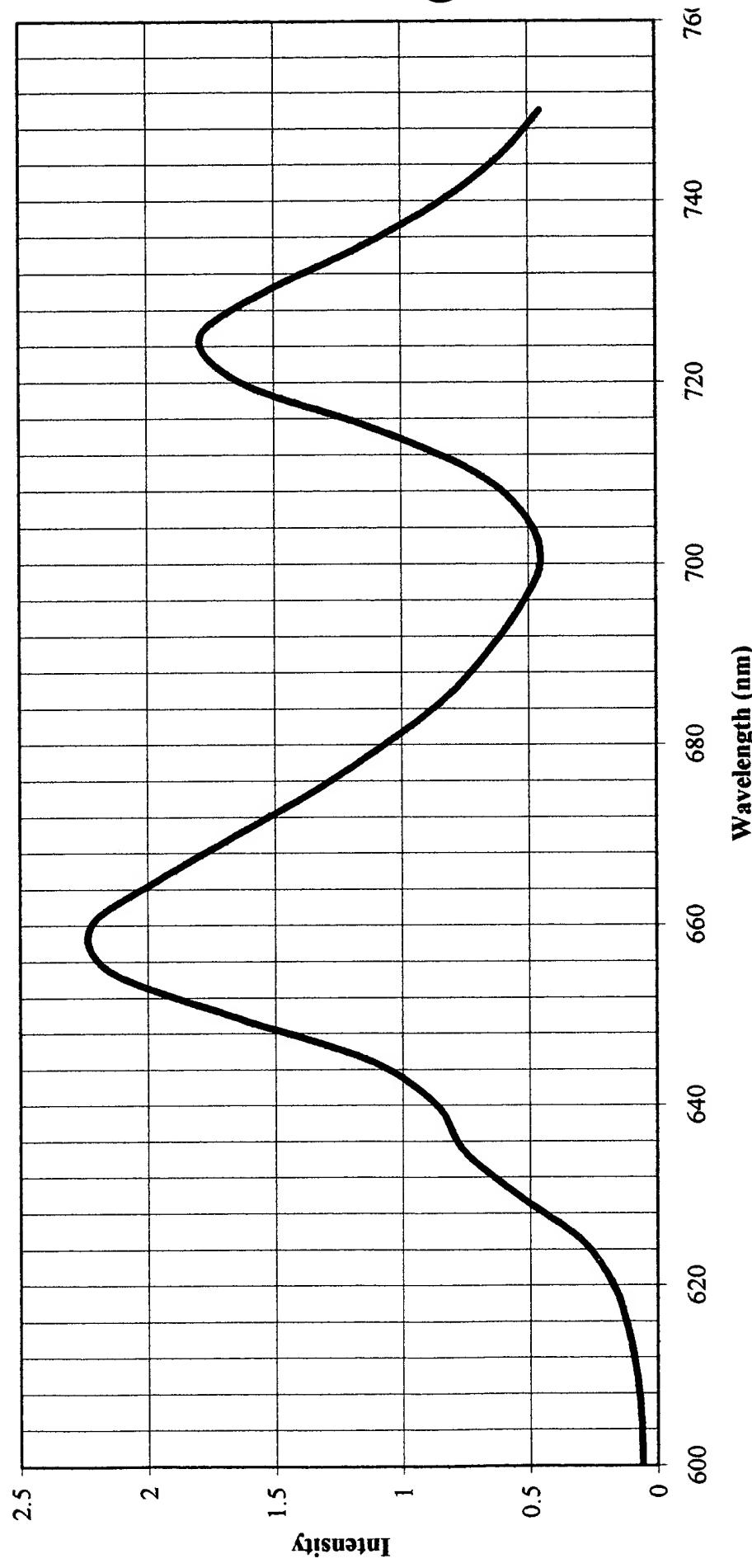


Figure 3. Emission spectra of PtOEP indicator in a thermal melt preparation of a commercial LDPE thermoplastic polymer.
Excitation centered at 400nm.

Emission Spectrum
PtOEP-LDPE



T D 5 2 9 0 " 5 0 8 5 8 4 0

Figure 4. Ratiometric Response Curves for Press-Plaques from Different Carrier Polymers

Ratio Response of PdTPP indicator in Different Commercial Carrier Polymers

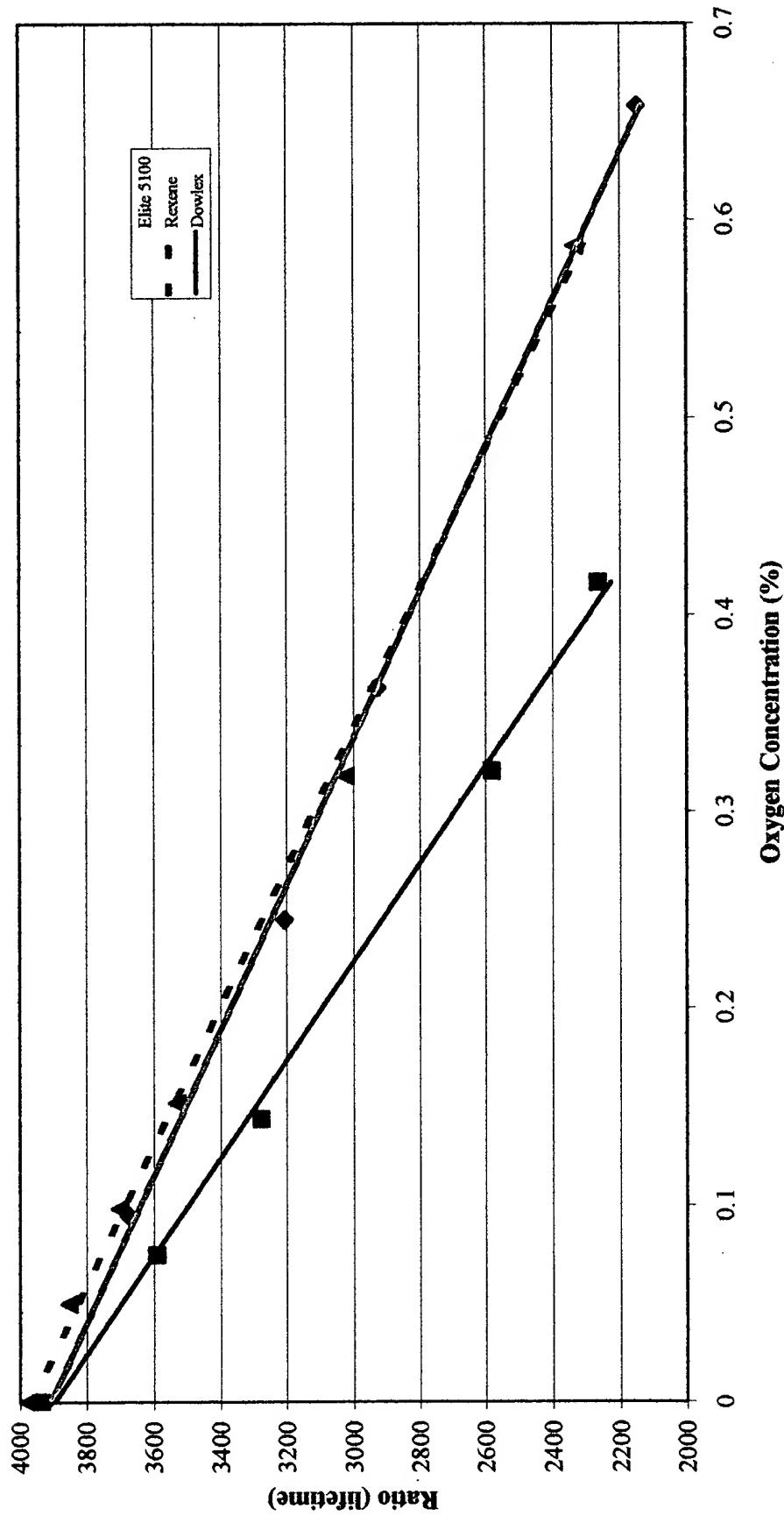


Figure 5. Ratio response of a PtOEP film prepared by extrusion in twin-screw extrusion machine

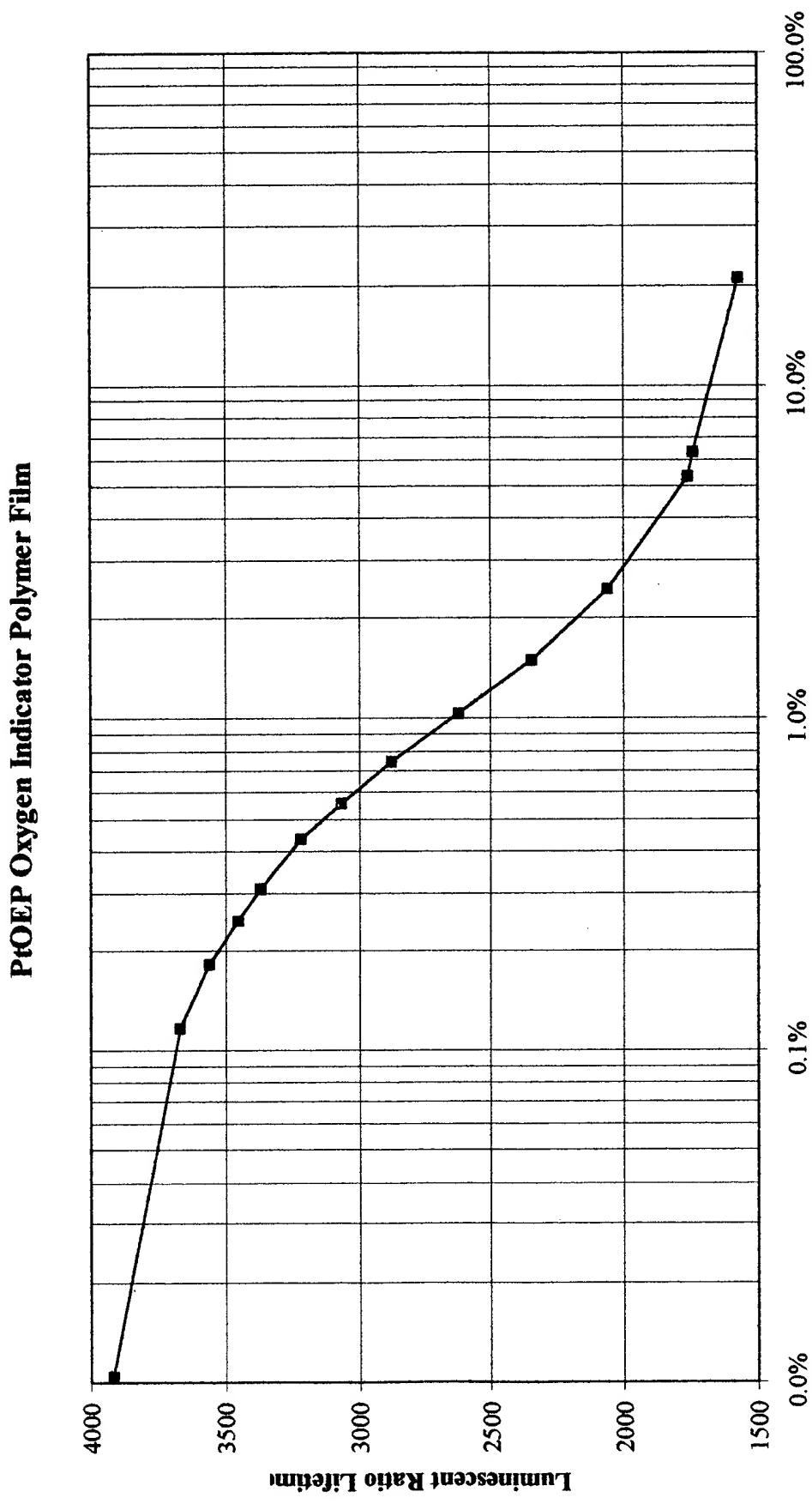


Figure 6. Various Laminate Forms of the Oxygen Sensor in Flexible Package Wrap Material

Indicator-Polymer Laminate Test Series
PtOEP/Dowlex Indicator Film

